Index of Claims



Application No.

09/874,103

Examiner

Robert Landsman

Applicant(s)

STAATS ET AL.

Art Unit

1647

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| 1 | Interference |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date |          |  |                     | Cla      | Date     |                         |     |      |                |          |          | Cla                 | aim      | Date         |          |              |   |      |       |            |                 |         |              |          |          |                     |          |           |
|------------|----------|--|---------------------|----------|----------|-------------------------|-----|------|----------------|----------|----------|---------------------|----------|--------------|----------|--------------|---|------|-------|------------|-----------------|---------|--------------|----------|----------|---------------------|----------|-----------|
| Final      | Original |  |                     |          |          |                         |     |      | Final          | Original | 3/15/04  |                     |          |              |          |              |   |      | Final | Original   |                 |         |              |          |          |                     |          |           |
| <b> </b>   | 1        |  |                     | $\top$   |          |                         |     |      |                | 51       |          |                     |          |              |          | 1            |   |      |       | 101        |                 |         |              |          |          |                     |          |           |
|            | 2        |  |                     |          |          |                         |     |      |                | 52       |          |                     |          |              |          |              | $\perp$                                 |      |       | 102        |                 |         | 4_           | L_       |          | $\square$           | _        |           |
|            | 3        |  |                     |          |          |                         |     |      |                | 53       |          |                     |          |              |          |              | i                                       |      |       | 103        |                 | 4       | 1            | L        | L        | $\Box$              | _        | _         |
|            | 4        |  |                     | $\perp$  | Ш.       |                         |     |      |                | 54       |          |                     |          | <u> </u>     |          | _            |   |      |       | 104        |                 | _       | 4            | _        | Ш        |                     |          | -4        |
| <u></u>    | 5        |  | $\sqcup$            | $\perp$  |          | $\perp \perp$           |     | 4    |                | 55       |          |                     | _        | 4            | _        | 1            |   |      |       | 105        | $\square$       | -       | ┼-           | ├-       | $\vdash$ | $\vdash$            | $\dashv$ |           |
|            | 6        |  | $\sqcup \bot$       | _        | $\bot$   | $\sqcup$                | _   |      | <u> </u>       | 56       |          | _                   |          | Ļ.,          | $\dashv$ | 4-           | -                                       | M,   |       | 106        |                 | +       | $\vdash$     | <u> </u> | $\vdash$ | $\vdash$            | -        |           |
|            | 7        | <u> </u>   | $\vdash$            | _        | -        | 1-1                     | -   | 4    |                | 57       | L        |                     |          | ╁-           | -        | -            |   |      |       | 107        | $\vdash$        | +       | ╀            |          | Н        | $\vdash$            |          | $\dashv$  |
|            | 8        |  | $\vdash \vdash$     | +        | $\dashv$ | +                       |     | 4    | <u> </u>       | 58       | -        | -                   | -+-      | -            | $\dashv$ | +            |   |      |       | 108<br>109 | H               | +       | ╂            | -        | Н        | -                   | $\dashv$ | $\dashv$  |
|            | 9        |  | ⊦⊹                  |          | +        | +                       |     | 4    | <u> </u>       | 59<br>60 | H        | $\dashv$            | -+       | +-           | $\dashv$ | -            |   | 4    |       | 110        | H               | -       | +            | ├╴       |          | $\vdash$            | $\dashv$ | $\dashv$  |
| -          |          | $\vdash$   | $\vdash \vdash$     | +        | +        | ++                      | -   | 4    | ļ              | 61       |          |                     |          | +-           | +        | +            | +                                       |      |       | 111        | $\dashv$        | +       | +            | ├        | -        | $\dashv$            | $\dashv$ | -         |
| <b> </b>   | 11<br>12 | $\vdash$   |                     | ╬        |          | ╆┼                      | +   | -    | <u> </u>       | 62       |          | $\vdash$            |          | +            | +        | +            | +                                       |      | _     | 112        |                 | +       | ╁            | -        | $\vdash$ | 1                   | 十        | $\neg$    |
| -          | 13       |  | ╁┼┼                 | $\dashv$ | +        | 1-                      | +   | -    | <del></del>    | 63       | H        | $\dashv$            | -        | +-           | -        | +            | +                                       |      |       | 113        | H               | +       | +            | -        | $\vdash$ | $\vdash$            | $\dashv$ | $\dashv$  |
| <u> </u>   | 14       |  | +                   | +        | +        | +                       | -+- | 1    |                | 64       | 1        | $\dashv$            | +        | +            | +        | +            | +                                       |      |       | 114        | $\dashv$        | +       | +            |          | H        | $\sqcap$            | 十        | $\dashv$  |
| $\vdash$   | 15       |  | -                   | +        | +        | 1 1                     |     | 7    |                | 65       | 7        |                     | 十        |              | _        | 十            | +-1                                     |      |       | 115        | ı               |         | $\top$       |          |          | П                   |          | $\neg$    |
|            | 16       |  | $\vdash$            | 十        | 1        | 11                      | _   | 7    |                | 66       | V        | $\Box$              | $\top$   | 1-           |          |              | $\top$                                  |      |       | 116        |                 | $\top$  | $\top$       |          |          | П                   |          | $\neg$    |
| <u> </u>   | 17       |  | $\Box$              | +        | 1-       | 1 1                     | _   |      | <b>-</b>       | 67       | V        |                     |          | 1            | _        | $\top$       |   |      | - "   | 117        |                 |         |              |          |          | П                   | T        |           |
|            | 18       |  |                     | T        |          | T                       |     |      |                | 68       | 1        |                     | _1       | 1            |          | T            |   |      |       | 118        |                 |         | 1            |          |          |                     |          |           |
|            | 19       |  |                     | $\top$   |          |                         | 1.  |      |                | 69       | 1        |                     | 7        |              |          |              |   |      |       | 119        |                 |         |              |          |          |                     |          |           |
|            | 20       |  |                     | 7        |          |                         |     |      |                | 70       | 1        |                     |          |              |          |              |   |      |       | 120        |                 |         |              |          |          |                     | $\Box$   |           |
|            | 21       |  |                     | T        |          |                         |     |      |                | 71       | V        |                     |          |              |          |              |   |      |       | 121        |                 |         |              |          |          |                     |          |           |
|            | 22       |  |                     | T_       |          | $\Box$                  |     | 1000 |                | 72       | 1        |                     |          |              | [        |              |   | 33   |       | 122        |                 |         | _            |          |          |                     |          |           |
|            | 23       |  |                     |          |          |                         |     |      |                | 73       | 1        |                     |          |              |          | ⊥            |   |      |       | 123        |                 | _       | 1_           | _        |          | $\sqcup$            | _        | _         |
| L          | 24       |  |                     | _        |          | Ш                       |     | 9,4  |                | 74       | V        | $\dashv$            |          | —            | _        | $\perp$      | $\perp$                                 |      |       | 124        |                 |         | ┸            | L.       |          | $\perp$             |          | _         |
|            | 25       |  | $\sqcup \downarrow$ | $\perp$  |          | 1 1                     |     |      |                | 75       | V        | $\Box$              | _        | $\perp$      | _        | $\perp$      | 4.4                                     |      |       | 125        |                 | $\perp$ | ╄            | <u> </u> | Ш        | $\sqcup$            | _        | _         |
|            | 26       |  |                     | +        | 4        | <del> </del>            | _+- | 4.   | <u> </u>       | 76       | 1        | $\dashv$            |          | <del>-</del> |          | +            | 44                                      |      |       | 126        | -1              | +       | ╄-           | <u> </u> | H        | $\vdash$            | $\dashv$ | 4         |
| ļ          | 27       |  | H                   | _        | +        | +                       | -   | -15  |                | 77       | V        | _                   |          |              | -+       | -            | 44                                      |      |       | 127        |                 | +       | $\vdash$     | ⊢        |          | $\vdash$            |          | $\dashv$  |
| -          | 28       | <del>                                     </del> | $\vdash +$          | +        | -        | +                       | -+- | 4.   | <u> </u>       | 78       | 1        | -                   |          |              | +        |              | $\dashv$                                |      |       | 128<br>129 | -               |         | ╀            | -        | $\vdash$ | $\vdash \dashv$     | -        | $\dashv$  |
|            | 29<br>30 |  | $\vdash \vdash$     | +-       | +        | +                       | -   | 4    |                | 79<br>80 | 7        |                     | $\dashv$ | +            | -+       | +            |   |      |       | 130        | $\vdash$        | +       | ╁            | ⊢        | $\vdash$ | $\vdash$            | -+       | $\dashv$  |
| -          | 31       | -  | $\vdash$            | +        | +        | +-+                     | +   | 411  |                | 81       | 7        | $\dashv$            |          | +            | $\dashv$ | -            | +                                       |      |       | 131        | $\dashv$        | +       | ╁            | ┢        | Н        | $\vdash \uparrow$   | -        | $\dashv$  |
|            | 32       |  | $\vdash \vdash$     | +        | -        | $\vdash$                | +-  | -    |                | 82       | 1        | $\dashv$            | +        | +            | +        | +            | -                                       |      | -     | 132        | -               |         | ╁┈           | -        |          | $\vdash$            |          | $\dashv$  |
|            | 33       | -  |                     | ┿        | +        | + +                     | +   | 4    | _              | 83       | 7        | $\dashv$            | -        | +-           | -+       | +            | $\dashv \dashv$                         |      |       | 133        | -               | _       | +-           | -        |          | $\vdash$            | _        | {         |
|            | 34       |  |                     | +        | +        | +                       | _   | 1.   | <b>-</b>       | 84       | 1        | $\vdash$            | +        | _            | $\dashv$ | +            | +                                       | 44.  |       | 134        |                 | _       | +            | -        |          | $\Box$              | $\dashv$ | ㅓ         |
|            | 35       |  | 1 +                 | $\top$   | _        | 1 1                     |     |      |                | 85       |          |                     |          | -            |          | ┪            |   |      |       | 135        |                 |         | 十            |          | H        |                     | 7        | $\neg$    |
| -          | 36       |  |                     | +        | 1        | 11                      |     | 7.5  |                | 86       |          |                     | $\dashv$ |              | $\top$   | $\top$       |   |      |       | 136        | $\Box$          | $\top$  | $\top$       | Г        | П        | $\Box$              |          | $\exists$ |
|            | 37       |  |                     | $\top$   | T        |                         |     |      |                | 87       |          |                     |          | T            |          | $\top$       |   |      |       | 137        |                 |         |              |          | П        |                     | -        |           |
|            | 38       |  |                     | T        |          |                         |     | T    |                | 88       |          |                     |          |              |          | $\Box$       |   |      |       | 138        |                 |         |              |          |          |                     |          |           |
|            | 39       |  |                     |          |          |                         |     |      |                | 89       |          |                     |          |              |          | I            |   |      |       | 139        |                 |         | oxdot        |          |          |                     |          |           |
|            | 40       |  |                     | $\perp$  |          |                         |     | ]    |                | 90       |          |                     |          |              | $\Box$   | $oxed{\Box}$ |   |      |       | 140        |                 |         |              |          |          | $\Box$              |          |           |
|            | 41       |  | $\Box \Box$         | $\bot$   |          |                         |     |      |                | 91       |          |                     |          |              |          | $\perp$      |   |      |       | 141        |                 |         |              | 匚        |          |                     |          | ]         |
|            | 42       |  | $\sqcup \bot$       | $\perp$  | 4        |                         | _   |      |                | 92       | _        | Ш                   |          |              |          | $\perp$      | $\perp \!\! \perp \!\! \perp$           |      |       | 142        | Ш               |         | 1_           | ota      | Ш        | $\square$           | $\Box$   |           |
| <u> </u>   | 43       | $\sqcup \!\!\! \perp$                            | $\perp \perp$       | 上        | 1        | 1                       | -   | 4    | L              | 93       |          |                     | _ _      | 1            | _ -      | _            | 44                                      |      |       | 143        |                 |         | <u>  </u> _  | <u> </u> | Ш        | $\vdash \downarrow$ | _1       | _         |
| <u></u>    | 44       | <u> </u>   | $\sqcup \bot$       | $\bot$   | $\bot$   | $\sqcup$                |     | -    | <u> </u>       | 94       | $\vdash$ |                     | _        | +            | 4        | 4-           | $\dashv$                                |      |       | 144        | $\sqcup$        |         | 4_           | ▙        | $\vdash$ | $\vdash$            | 4        | -1        |
|            | 45       |  | <b>↓</b> ↓↓         | $\perp$  | +        | $\downarrow \downarrow$ | _   | -    | <u> </u>       | 95       | <u> </u> | $\sqcup$            | $\dashv$ | <u> </u>     | $\dashv$ | +            | 4-1                                     |      |       | 145        | $\sqcup$        |         | <del> </del> | <u> </u> | $\vdash$ | $\vdash \dashv$     | _        | 4         |
| <u> </u>   | 46       |  |                     | +        | +        | +-+                     | +   | -    | <b>_</b>       | 96       | $\vdash$ | $\vdash \downarrow$ |          | +            | -+-      | +            | $\dashv$                                |      | -     | 146        | $\vdash \dashv$ | _       | +-           | $\vdash$ | $\vdash$ | $\vdash \downarrow$ | $\dashv$ | $\dashv$  |
| <u> </u>   | 47       | <del>                                     </del> | <b>⊢</b> ∔          | +        | +        | 1-1                     | +   | 4    | <u> </u>       | 97       | <u> </u> |                     | - -      | +            | +        |              | 4-4                                     |      |       | 147        | $\vdash \dashv$ |         | +            | $\vdash$ | $\vdash$ | $\vdash +$          |          |           |
|            | 48<br>49 | $\vdash \vdash$                                  | $\vdash$            | +        | +        | ++                      |     | 4    | <del></del>    | 98<br>99 | -        |                     |          | +            | -        | +            | +-1                                     |      |       | 148<br>149 | $\vdash$        |         | +            | $\vdash$ | $\vdash$ | $\vdash$            | $\dashv$ | $\dashv$  |
| -          | 50       |  | $\vdash$            | +        | +        | +                       |     | 45   | <del> </del> - | 100      | -        | $\vdash \dashv$     | -+-      | +            | -+-      | +            | +                                       |      |       | 150        | $\vdash \dashv$ | -+-     | +-           | $\vdash$ | $\vdash$ |                     | $\dashv$ | $\dashv$  |
| L          | JU       |  |                     |          | Щ_       | 1_1                     | L_  |      | L              | 100      | لــــا   | $\Box$              |          |              |          | _            | لــــــــــــــــــــــــــــــــــــــ | ere. |       | 130        | $\sqcup \bot$   | L_      |              | Ц        |          |                     | _        |           |